

Examiner Signature PTO/SB/08a/b (07-05)

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Substitu	Substitute for form 1449A/B/PTO			· Complete if Known		
000000				Application Number	10/729,349-Conf. #8267	
INF	ORMATI	ON DISC	LOSURE	Filing Date	December 5, 2003	
STA	ATEMEN	T BY AP	PLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as man	y sheets as nec	essary)	Examiner Name	Harry D. Wilkins III	
Sheet	1	of	11	Attorney Docket Number	291958237US	

		······································	U.S. PA	TENT DOCUMENTS	
Examin er Initials*	Cite No.1	Document Number Number-Kind Code ² (<i>If known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HW	AA	US-08/940,524	09-30-1997	BLECK ET AL.	
	AB	US-09/114,105	07-11-1998	WOODRUFF ET AL.	
	AC	US-09/679,928	10-05-2000	WOODRUFF ET AL.	
	AD*	US-1,526,644	02-17-1925	PINNEY	
	AE*	US-1,881,713	10-11-1932	LAUKEL	
	AG*	US-2,256,274	09-16-1941	BOEDECKER ET AL.	
	AH*	US-2002-0008036	01-24-2002	HUI WANG	
	Al*	US-2002-0032499	03-14-2002	GREGORY WILSON	
	AJ*	US-2002-0125141	09-12-2002	GREGORY WILSON	
	AK*	US-2002-0139678	10-03-2002	GREGORY WILSON	
	AL*	US-2003-0038035		GREGORY WILSON	
	AM*	US-2003-0062258	04-03-2003	DANIEL WOODRUFF	
	AN*	US-2003-0070918	04-17-2003	KYLE HANSON	
	AO*	US-2003-0127337	07-10-2003	KAYLE HANSON	
	AP*	US-2004-0031693	02-19-2004	LINLIN CHEN	
	AQ*	US-2004-0055877	03-25-2004	GREGORY WILSON	
	AR*	US-2004-0099533		GREGORY WILSON	
	AS*	US-2004-0188259		GREGORY WILSON	
	AT*	US-2005-0087439-A1	04-28-2005	HANSON ET AL.	
	AU*	US-2005-0121326-A1		KLOCKE ET AL.	
	AV*	US-3,309,263	03-14-1967	GROBE	
	AW*	US-3,616,284		BODMER ET AL.	
	AX*	US-3,664,933	05-23-1972		
	AY*	US-3,706,635	12-19-1972		
	AZ*	US-3,706,651	12-30-1970		
	AA1*	US-3,716,462	02-13-1973		
	AB1*	US-3,798,003		ENSLEY ET AL.	
	AC1*	US-3,798,033	03-19-1974		
	AD1°	US-3,878,066		DETTKE ET AL.	
	AE1*	US-3,930,963		POLICHETTE ET AL.	*
	ÁF1°	US-3,968,885		HASSAN ET AL.	•
	AG1*	US-4,000,046	12-28-1976		
	AH1*	US-4,022,679		KOZIOL ET AL.	
	Al1*	US-4,030,015		HERKO ET AL.	
1	AJ1*	US-4,046,105	09-06-1977		
	AK1*	US-4,072,557	02-07-1978		
	AL1°	US-4,082,638	04-04-1978		
	AM1*	US-4,113,577		ROSS ET AL.	
7/	AN1*	US-4,134,802	01-16-1976		
W	AO1*	US-4,137,867		AIGO	
HW	AP1*	US-4,165,252	08-21-1979		
		1 1			

Date Considered PTO/SB/08a/b (07-05)

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Substi	itute for form 1449A/B	/PTO		Complete If Known		
00000				Application Number	10/729,349-Conf. #8267	
IN	FORMATIC	ON DISC	CLOSURE	Filing Date	December 5, 2003	
ST	ATEMENT	BY AP	PLICANT	First Named Inventor	John L. Klocke	
•				Art Unit	1745	
	(Use as many	sheets as ne	cessary)	Examiner Name	Harry D. Wilkins III	
Sheet	2	of	_ 11	Attorney Docket Number	291958237US	

	14544	1.45 . 455 656	140 40 40 0	Taioo T	
HW		US-4,170,959	10-16-1979		
		US-4,222,834		BACON ET AL.	
		US-4,238,310	<u> </u>	ECKLER ET AL.	
	AT1*	ÚS-4,246,088		MURPHY ET AL.	
		US-4,259,166		WHITEHURST	
	AV1*	US-4,287,029		KOUICHI SHIMAMURA	
	AW1*	US-4,304,641		GRANDIA ET AL.	
	AX1*	US-4,323,433		DAVID M. LOCH	
	AY1*	US-4,341,629	07-27-1982		
	AZ1*	US-4,360,410		FLETCHER ET AL.	
		US-4,378,283		MICHAEL SEYFFERT	
	AB2*	US-4,384,930	05-24-1983		
	AC2*	US-4,391,694	07-05-1983	BENGT W. RUNSTEN	
	AD2*	US-4,422,915		WIELONSKI ET AL.	
	AE2*	US-4,431,361	02-14-1984		
	AF2*	US-4,437,943		ALEXANDER: F. BECK	
		US-4,440,597		WELLS ET AL.	
	AH2*	US-4,443,117		MURAMOTO ET AL.	
	Al2*	US-4,449,885		RICHARD J. HERTEL	
	AJ2*	US-4,451,197	05-29-1984		
	AK2*	US-4,463,503	08-07-1984	ROBERT D. APPLEGATE	
	AL2*	US-4,466,864		DUANE E. BACON	
	AM2*	US-4,469,564	09-04-1984	OKINAKA ET AL.	
	AN2*	US-4,469,566	09-04-1984	WRAY	
		US-4,475,823	10-09-1984		
		US-4,480,028	10-30-1984	KATO ET AL.	
		US-4,495,153	01-22-1985	MINORU MIDORIKAWA	
		US-4,495,453		HAJIMU INABA	
		US-4,500,394		JOHN S. RIZZO	
		US-4,529,480	07-16-1985		
		US-4,541,895	09-17-1985		
		US-4,566,847		TAKASHI MAEDA	
		US-4,576,685		GOFFREDO ET AL.	
		US-4,576,689		ALMAXUD M. MAKKAEV	
	AY2*	US-4,585,539	04-29-1986		
		US-4,604,177		OLIVO G. SIVILOTTI	
		US-4,604,178		DALE R. FIEGENER	
		US-4,634,503		DANIEL NOGAVICH	·
		US-4,639,028	01-27-1987		
		US-4,648,944		GEORGE ET AL.	
		US-4,670,126		MESSER ET AL.	
1		US-4,685,414	08-11-1987		
V		US-4,687,552		EARLY ET AL.	
		US-4,693,017		OEHLER ET AL.	
HW	AI3*	US-4,696,729	09-29-1987	SANTINI	

Examiner	Date
Signature	Considered

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Sub	Substitute for form 1449A/B/PTO			Complete if Known		
000	50000 101 101111 1440 4501			Application Number	10/729,349-Conf. #8267	
IN	IFORMATIO	N DIS	CLOSURE	Filing Date	December 5, 2003	
S	TATEMENT	BY A	PPLICANT	First Named Inventor	John L. Klocke	
_				Art Unit	1745	
	(Use as many s	heets as i	necessary)	Examiner Name	Harry D. Wilkins III	
Sheet	3	of	11	Attorney Docket Number	291958237US	

H	W	AJ3*	US-4,715,934	12-29-1987	TAMMINEN
		AK3*	US-4,741,624		BARROYER
\Box	\neg	AL3*	US-4,760,671		WILLIAM R. WARD
\Box	\neg		US-4,761,214		EDMUND R. HINMAN
	_	AN3*	US-4,770,590		HUGUES ET AL.
	\neg		US-4,781,800		LEE M. GOLDMAN
		AP3*	US-4,800,818		KAWAGUCHI ET AL.
		AQ3*	US-4,828,654		RONALD G. REED
\Box		AR3*	US-4,849,054	07-18-1989	
\Box			US-4,858,539		SCHUMANN
П	\neg	AT3*	US-4,864,239		CASARCIA ET AL.
\Box		AÚ3*	US-4,868,992		CRAFTS ET AL.
	\neg	AV3*	US-4,898,647		LUCE ET AL.
П	_		US-4,902,398	02-20-1990	
			US-4,906,341	03-06-1990	KOJI YAMAKAWA
		AY3*	US-4,913,035		VOHRINGER ET AL.
П		AZ3*	US-4,924,890	05-15-1990	GILES ET AL.
		AA4*	US-4,944,650		MATSUMOTO
		AB4*	US-4,949,671	08-21-1990	DAVIS ET AL.
\Box		AC4*	US-4,951,601	08-28-1990	MAYDAN ET AL.
		AD4*	US-4,959,278	09-25-1990	HIDENORI SHIMAUCH
		AE4*	US-4,962,726	10-16-1990	MATSUSHITA ET AL.
		AF4*	US-4,979,464	12-25-1990	KUNZE-CONCEWITZ ET AL.
		AG4*	US-4,988,533		FREEMAN ET AL.
		AH4*	US-5,000,827		VIRGIL E. SCHUSTER
		Al4*	US-5,024,746	06-18-1991	STIERMAN ET AL.
		AJ4*	US-5,026,239	06-25-1991	
		AK4*	US-5,048,589		COOK ET AL.
		AL4*	US-5,054,988	10-08-1991	SHIRAIWA
			US-5,055,036		ASANO ET AL.
	_	AN4*	US-5,061,144		MASAMI AKIMOTO
\square		AO4*	US-5,069,548		BOEHNLEIN
	ightarrow	AP4*	US-5,078,852		IAN Y.K. YEE
		AQ4*	US-5,083,364		OLBRICH ET AL.
			US-5,096,550		STEVEN T. MAYER
ot			US-5,110,248		ASANO ET AL.
igspace		AT4*	US-5,115,430		ELLEN L. HAHNE
\sqcup			US-5,125,784	06-30-1992	
$\vdash \downarrow$	_	AV4*	US-5,128,912		HUG ET AL.
┷	_		US-5,135,636		YEE ET AL.
$\sqcup \bot$		AX4*	US-5,138,973		DAVIS ET AL.
 ↓ ↓			US-5,146,136		TOSHIO OGURA
			US-5,151,168		TERRY L. GILTON
		AA5°	US-5,155,336		GRONET ET AL.
H	W.	AB5*	US-5,156,174	10-20-1992	RAYMON F. THOMPSON
Evan	_	. 1			Data

Examiner	Date	
Signature	Considered	

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Sub	Substitute for form 1449A/B/PTO			Complete if Known		
Gub	Sulute for form 1440/01	3. 10		Application Number	10/729,349-Conf. #8267	
IN	IFORMATION	ON DIS	CLOSURE	Filing Date	December 5, 2003	
S	TATEMEN ¹	T BY A	PPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many	sheets as n	ecessary)	Examiner Name	Harry D. Wilkins III	
Sheet	4	of	11	Attorney Docket Number	291958237US	

<u> </u>	1 T	AC5*	US-5,156,730	10 20 1002	ANILKUMAR C. BHATT		
ny					THOMPSON ET AL.		
⊢			US-5,168,886				
\vdash			US-5,168,887		RAYMON F. THOMPSON	V	
\vdash			US-5,169,408		BIGGERSTAFF ET AL.		
			US-5,172,803	12-22-1992			
Щ			US-5,174,045		THOMPSON ET AL.		
	_	N5*	US-5,178,512	01-12-1993			
Ц	—		US-5,178,639	01-12-1993			
	_		US-5,180,273		SALAYA ET AL.		
			US-5,183,377		BECKER ET AL.	<u> </u>	
Ш			US-5,186,594		TOSHIMA ET AL.		
	A		US-5,209,817		UMAR M. AHMAD		
	A	\O5 *	US-5,217,586	06-08-1993	MADHAV DATTA		
П	A	₽5 *	US-5,222,310	06-29-1993	RAYMON F. THOMPSON	1	
П	A	\Q5*	US-5,227,041	07-13-1993	BRUCE N. BROGDEN		
\Box	A		US-5,228,232	07-20-1993	RODNEY MILES		
	${}^{-}$		US-5,228,966	07-20-1993	SATOSHI MURATA		
	A		US-5,230,371	07-27-1993	LEE ·		
\Box	A		US-5,232,511	08-03-1993			
H	A		US-5,235,995		BERGMAN ET AL.		
	_		US-5,238,500	08-24-1993			
			US-5,252,137		TATEYAMA ET AL.		
\vdash			US-5,252,807		CHIZINSKY		
H			US-5,256,262		BLOMSTERBERG		
			US-5,256,274		JAIME PORIS		
			US-5,271,953	12-21-1993			
H			US-5,271,972		KWOK ET AL:		· · · · · · · · · · · · · · · · · · ·
\vdash			US-5,301,700		KAMIKAWA ET AL.		· · · · · · · · · · · · · · · · · · ·
\vdash			US-5,302,464		TAKUJI NOMURA		
\vdash	_		US-5,306,895		USHIKOSHI ET AL.		
⊢			US-5,314,294		TAKAO TANIGUCHI		
┝╼╂	_		US-5,316,642		DAVID J. YOUNG		
\vdash	_				KUBO ET AL.		
$\vdash \vdash$			US-5,326,455 US-5,330,604		ALLUM ET AL.		
$\vdash \vdash$			US-5,332,271				
$\vdash \vdash$					GRANT ET AL.		
┝╌┞			US-5,332,445	07-26-1994		·	
$\vdash \vdash$			US-5,340,456	08-23-1994			
$oldsymbol{\sqcup}$			US-5,344,491		MARIKO KATOU		
⊢			US-5,348,620		HERMANS ET AL.		
$oldsymbol{\sqcup}$			US-5,364,504		SMURKOSKI ET AL.		
\vdash			US-5,366,785	11-22-1994			
\sqcup			US-5,366,786		CONNOR ET AL.		
بلكا			US-5,368,711		JAIME PORIS		
L W			US-5,372,848		KIM J. BLACKWELL		
HW		W6*	US-5,376,176	12-27-1994	ATSUSHI KURIYAMA		
Exam	niner	T			Da		
Signa	ture	1	·		Co	nsidered	

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Suba	Substitute for form 1449A/B/PTO			Complete if Known		
00031				Application Number	10/729,349-Conf. #8267	
IN	FORMATION	ON DISC	CLOSURE	Filing Date	December 5, 2003	
ST	TATEMEN'	T BY AP	PLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as man)	y sheets as nec	essary)	Examiner Name	Harry D. Wilkins III	
Sheet	5	of	11	Attorney Docket Number	291958237US	

	AW6* AX6* AY6* AZ6*	US-5,377,708 US-5,388,945 US-5,391,285 US-5,391,517	02-14-1995	GARRIC ET AL.
	AX6* AY6* AZ6*	US-5,391,285		
	AY6* AZ6*		11/0//- 1447	WILLIAM H. LYTLE
1	AZ6*			GELATOS ET AL.
		US-5,405,518		HSIEH ET AL.
	AA7*	US-5,411,076		MATSUNAGA ET AL.
		US-5,421,987		TZANAVARAS ET AL.
		US-5,427,674		LANGENSKIOLD ET AL.
		US-5,429,686		CHIU ET AL.
	AE7°	US-5,429,733		HIROFUMI ISHIDA
		US-5,431,803		DIFRANCO ET AL.
	AG7*	US-5,437,777		SHUJI KISHI
		US-5,441,629	08-15-1995	
	AI7°	US-5,442,416		TATEYAMA ET AL.
		US-5,443,707	08-22-1995	
		US-5,445,484		KATO ET AL.
	AL7°	US-5,447,615	09-05-1995	
		US-5,454,405	10-03-1995	
	AN7*	US-5,460,478		AKIMOTO ET AL.
\neg	A07*	US-5,464,313	11-07-1995	
	AP7*	US-5,472,502		WILLIAM T. BATCHELDER
	AQ7*	US-5,489,341		BERGMAN ET AL.
		US-5,500,081		BERGMAN
	AS7*	US-5,501,768	03-26-1996	HERMANS ET AL.
	AT7°	US-5,508,095	04-16-1996	ALLUM ET AL.
		US-5,512,319	04-30-1996	COOK ET AL.
		US-5,514,258	05-07-1996	BRINKET ET AL.
		US-5,516,412		ANDRICACOS ET AL.
		US-5,522,975		ANDRICACOS ET AL.
		US-5,527,390	06-18-1996	
	AZ7*	US-5,544,421	08-13-1996	THOMPSON ET AL.
		US-5,549,808		MUKTA S. FAROOQ
		US-5,567,267		KAZAMA ET AL.
		US-5,571,325		TSUTOMU UEYAMA
		US-5,575,611		THOMPSON ET AL.
		US-5,584,310		ERIC J. BERGMAN
		US-5,584,971	12-17-1996	
		US-5,593,545		RUGOWSKI ET AL.
		US-5,597,460		H. VINCENT REYNOLDS
		US-5,597,836		HACKLER ET AL.
		US-5,600,532		MICHIYA ET AL.
		US-5,609,239		SCHLECKER
		US-5,620,581	04-15-1997	
		US-5,639,206	06-17-1997	
HW	AN8*	US-5,639,316	06-17-1997	CYRIL CABRAL
Examine				Date
Signatun	e .	<u> </u>		Considered

PTO/SB/08a/b (07-05)

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00031	1000 101 10111 1440 100			Application Number	10/729,349-Conf. #8267	
IN	FORMATIC	N DI	SCLOSURE	Filing Date	December 5, 2003	
STATEMENT BY APPLICANT				First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many	sheets as	necessary)	Examiner Name	Harry D. Wilkins III	
Sheet	6	of	11	Attorney Docket Number	291958237US	

עונו	AO8*	US-5,641,613	06-24-1997	BOFF ET AL.
	AP8*	US-5,650,082		ANDERSON
\vdash	AQ8*	US-5,651,823		PARODI ET AL.
	AR8*	US-5,658,387		TIMOTHY J. REARDON
\vdash	AS8*	US-5,660,472		PEUSE ET AL.
H	AT8*	US-5,660,517		THOMPSON ET AL.
 	AU8*	US-5,662,788		GURTEJ SANDHU
	AV8*			DAVIS ET AL:
 	AW8*	US-5,664,337 US-5,670,034		KENNETH J. LOWERY
⊢-	AX8*			GIRAS ET AL.
┝		US-5,676,337		SPARA ET AL.
⊢⊢	AY8*	US-5,677,118		
⊢	AZ8*	US-5,678,320		THOMPSON ET AL.
	AA9*	US-5,681,392		EUGENE A. SWAIN
⊢┼	AB9*	US-5,683,564		REYNOLDS
┝┵	AC9*	US-5,684,654		SEARLE ET AL.
⊢⊢	AD9*	US-5,684,713		ASADA ET AL.
╙	AE9*	US-5,700,127		JUNJI HARADA
┝╌┡	AF9*	US-5,711,646		UEDA ET AL:
\vdash	AG9*	US-5,723,028		JAIME PORIS
\vdash	AH9*	US-5,731,678		ZILA ET AL.
	A19*	US-5,744,019	04-28-1998	
Ш.	AJ9*	US-5,746,565	05-05-1998	
	AK9*	US-5,747,098	05-05-1998	
	AL9*	US-5,754,842		MINAGAWA
ш	AM9*	US-5,755,948		LAZARO ET AL.
	AN9*	US-5,759,006		MIYAMOTO ET AL.
	AO9*	US-5,762,751		MARTIN C. BLECK
	AP9*	US-5,765,444	06-16-1998	PAUL BACCHI
	AQ9*	US-5,765,889	06-16-1998	NAM ET AL.
	AR9*	US-5,776,327	07-07-1998	BOTTS ET AL.
	AS9*	US-5,785,826		ALEX GREENSPAN
$\Box \Box$	AT9*	US-5,788,829		JOSHI ET AL.
	AU9*	US-5,802,856		SCHAPER ET AL.
	AV9*	US-5,829,791		KOTSUBO ET AL.
	AW9°	US-5,843,296		GREESPAN
	AX9*	US-5,871,626		DOUGLAS E. CRAFTS
	AY9*	US-5,871,805		JEROME LEMELSON
	AZ9*	US-5,882,498		VALERY DUBIN
	AAA*	US-5,892,207		KAWAMURA ET AL.
	ABA*	US-5,904,827		REYNOLDS
	ACA*	US-5,908,543	06-01-1999	TAKASHI MATSUNAMI
	ADA*	US-5,925,227		KOBAYASHI ET AL.
V/	AEA*	US-5,932,077		H. VINCENT REYNOLDS
-	AFA*	US-5,937,142		MOSLEHI ET, AL.
HW		US-5,957,836	09-28-1999	

Examiner	Date	
Signature	Considered	

PTO/SB/08a/b (07-05)

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Sub	estitute for form 1449A/B/F	OTO		Complete if Known		
000	State for form 1440/4001			Application Number	10/729,349-Conf. #8267	
IN.	NFORMATIO	N DI	SCLOSURE	Filing Date	December 5, 2003	
STATEMENT BY APPLICANT				First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as many s	heets as	necessary)	Examiner Name	Harry D. Wilkins III	
Sheet	7	of	11	Attorney Docket Number	291958237US	

uw	AHA*	US-5,980,706	11-09-1999	MARTIN BLECK	· .
— "	AIA*	US-5,985,126		MARTIN C. BLECK	
╟╌╂╴	AJA*	US-5,989,397		LAUBE ET AL.	<u> </u>
		US-5,989,406		CHARLES P. BEETZ	·
┝╌╂╴	ALA*	US-5,998,123		TANAKA ET AL.	
┝╼┝		US-5,999,886		MARTIN ET AL.	
┝╌╂	ANA*	US-6,001,235		ARKEN ET AL.	<u> </u>
\vdash	AOA*	US-6,004,828		KYLE M. HANSON	
⊢┼	APA*	US-6,017,820		TING ET AL.	
\vdash		US-6,027,631		ELIOT K. BROADBENT	
┝	ARA*	US-6,028,986	02-22-2000		
├─├		US-6,051,284		JOSHUA BYRNE	
\vdash				THOMAS I. KIRKPATRICK	
┝╌┼╴	ATA*	US-6,053,687 US-6,072,160	06-06-2000		
┝╌╁╌	AVA*	US-6,072,163		ARMSTRONG ET AL.	
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┝╌┼╴	ABB*	US-6,090,260		SATOSHI INOUE	
 	ACB*	US-6,091,498		KYLE HANSON	
╌	ADB*	US-6,099,702		JONATHAN D. REID	
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-	AFB*	US-6,103,085		WOO ET AL.	
\vdash	AGB*	US-6,107,192		SUBRAHMANYAN ET AL.	
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_		US-6,139,703		HANSON ET AL.	
\dashv	ANB*	US-6,139,712		EVAN E. PATTON	
- -	AOB*	US-6,140,234		UZOH ET AL.	
\dashv	APB*	US-6,143,147	11-07-2000		
		US-6,143,155		JOHN A. ADAMS	
	ARB*	US-6,151,532		BARONE ET AL.	
+	ASB*	US-6,156,167		EVAN E. PATTON	
	ATB*	US-6,157,106		TIETZ ET AL.	
1	AUB*	US-6,159,354		ROBERT J. CONTOLINI	
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	AWB*	US-6,162,488		GEVELBER ET AL.	
7/	AXB*	US-6,168,695		DANIEL J. WOODRUFF	
	AYB*	US-6,174,425		SIMPSON ET AL.	
HW	AZB*	US-6,174,796		TAKAGI ET AL.	

Examiner	. Date
Signature	Considered

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Sub	stitute for form 1449A/I	A/PTO		Complete if Known		
300	salute for form 1440/41	J. 10		Application Number	10/729,349-Conf. #8267	
IN	FORMATION	ON DIS	SCLOSURE	Filing Date	December 5, 2003	
S	TATEMEN'	T BY A	APPLICANT	First Named Inventor	John L. Klocke	
				Art Unit	1745	
	(Use as man)	sheets as	necessary)	Examiner Name	Harry D. Wilkins III	
Sheet	8	of	11	Attorney Docket Number	291958237US	

	HW	AAC*	US-6,179,983	01-30-2001	JONATHAN DAVID REID	
	1	ABC*	US-6,184,068		OHTANI ET AL.	
	1		US-6,193,859		ROBERT J. CONTOLINI	
			US-6,199,301	03-13-2001		
	T		US-6,218,097		BELL ET AL.	
	1		US-6,221,230		HIROMITSU TAKEUCHI	
	1		US-6,228,232		DANIEL J WOODRUFF	
	T		US-6,234,738	05-22-2001	KAZUO KIMATA	
	T	AIC*	US-6,251,238	06-26-2001	KAUFMAN ET AL.	
	1		US-6,251,528	06-26-2001	UZOH ET AL.	
			US-6,254,742	07-03-2001	HANSON ET AL.	
	П		US-6,258,220	07-10-2001	YEZDI DORDI	
	T		US-6,261,433	07-17-2001	UZIEL LANDAU	
	Г		US-6,270,647	08-07-2001	LYNDON W. GRAHAM	
		AOC*	US-6,277,263		LINLIN CHEN	
		APC*	US-6,278,089	08-21-2001	YOUNG ET AL.	
			US-6,280,183		MAYUR ET AL.	
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		ASC*	US-6,280,583	08-28-2001	WOODRUFF ET AL.	
			US-6,297,154	10-02-2001	GROSS ET AL.	
		AUC*	US-6,303,010		WOODRUFF ET AL.	
		AVC*	US-6,309,520		WOODRUFF ET AL.	
		AWC*	US-6,309,524	10-30-2001	WOODRUFF ET AL.	
		AXC*	US-6,318,951	11-20-2001	WAYNE J. SCHMIDT	
			US-6,322,112	11-27-2001	FRANKLIN DUNCAN	
		AZC*	US-6,322,677		DANIEL WOODRUFF	
		AAD*	US-6,342,137		DANIEL WOODRUFF	
		ABD*	US-6,365,729		SANJAY TYAGI	
		ACD*	US-6,391,166	05-21-2002		
			US-6,402,923		STEVEN MAYER	
		AED*	US-6,409,892	06-25-2002	WOODRUFF ET AL.	
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		AID*	US-6,471,913		WEAVER ET AL.	
	L		US-6,481,956		CHRISTOPHER A. HOFMEISTER	
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\Box	_	ALD*	US-6,497,801		DANIEL J WOODRUFF	
\Box	L	AMD*	US-6,527,920		MAYER ET AL.	
	L_	AND*	US-6,562,421	11-07-2002		
	<u> </u>		US-6,565,729		LINLIN CHEN	
L_	L_		US-6,569,297		GREGORY WILSON	
Δ	1		US-6,599,412		LYNDON GRAHAM	
<u> </u>	<u>/</u>	ARD*	US-6,623,609		RANDY HARRIS	
	W	ASD*	US-6,632,334	12-05-2002	TIMOTHY ANDERSON	
<u> </u>	_					

Examiner	· Date
Signature	Considered

PTO/SB/08a/b (07-05)

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Sut	estitute for form 1449A/B/	PTO		Complete if Known		
-				Application Number	10/729,349-Conf. #8267	
11	NFORMATIC	N DIS	CLOSURE	Filing Date	December 5, 2003	
S	TATEMENT	BY A	PPLICANT	First Named Inventor	John L. Klocke	
		•		Art Unit	1745	
	(Use as many	sheets as i	necessary)	Examiner Name	Harry D. Wilkins III	
Sheet	9	of	11	Attorney Docket Number	291958237US	

HW		US-6,654,122		KYLE HANSON
1	AUD*	US-6,660,137	01-24-2002	GREGORY WILSON
		US-6,672,820	01-06-2004	KYLE HANSON
	AWD*	US-6,678,055		OFER DU-NOUR
	AXD*	US-6,699,373		DANIEL WOODRUFF
	AYD*	US-6,709,562	01-01-2001	PANAYOTIS C. ANDRICACOS
	AZD*	US-6,749,390-A1	09-27-2001	WOODRUFF
	AAE*	US-6,752,584	11-22-2001	DANIEL WOODRUFF
	ABE*	US-6,755,954-A1	12-26-2002	MAYER ET AL.
	ACE*	US-6,773,571	08-10-2004	MAYER ET AL.
	ADE*	US-6,780,374-A1	07-25-2002	WEAVER ET AL.
	AEE*	US-6,916,412	10-25-2001	WOODRUFF
		US-6,921,468-A1		GRAHAM ET AL.
	AGE	US-60/129,055	04-13-1999	MCHUGH
	AHE	US-60/143,769	07-12-1999	MCHUGH
	AIE	US-60/182,160	02-14-2000	MCHUGH ET AL.
	AJE	US-60/206,663		WILSON ET AL.
	AKE	US-60/294,690		GIBBONS ET AL.
	ALE	US-60/316,597	08-31-2001	HANSON
$oxed{V}$	AME*	US-60/607,046	09-03-2004	KLOCKE
HW	ANE*	US-60/607,460	09-03-2004	KLOCKE

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Examine Initials*	No.1	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	٦٥
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	BB	DE-195 25 666	10-02-1996	HUEBSCH ET AL.		1
	BC	DE-41 14 427	11-05-1992	MORITZ, HEIKO		₹
	BD	EP-0 982 771 A1	08-17-1999	LUCENT TECHNOLOGIES, INC.		
	BE	EP-0544311 B1	05-15-1996	DAINIPPON SCREEN MFG. LTD		
	BF	EP-0582019 B1	10-18-1995	INTL BUSINESS MACHINES		
	BG	EP-0 257 670	03-02-1988	ESTHAM ET AL.		
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	ВІ	EP-0 140 404 A1	08-16-1984	THE PROCTOR & GAMBLE CO.		
	BJ	EP-0 677 612 A2	10-18-1995	KIMBERLY-CLARK CORP.		
	BK	EP-0 677 612 A3	10-18-1985	KIMBERLY-CLARK CORP		
	BL	EP-1 069 213 A2	07-11-2000	APPLIED MATERIALS INC.		
	BM	EP-0047132 B1	07-03-1985	HERAEUS QUARZSCHMELZE		
	BN	EP-0452939 B1	11-02-2000	APPLIED MATERIALS, INC.		
	BO	EP-0 290 210	11-09-1988	OKI ELECTRIC INDUSTRY CO.		
V	BP.	GB-2217107A	03-23-1989	CANON KABUSHIKI KAISHA		
HW	BQ	GB-2 254 288 A	03-24-1992	SCAPA GROUP PIC		

Examiner	•	Date	
Signature	•	Considered	•

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Sub	Substitute for form 1449A/B/PTO			Complete if Known		
	Substitute for form 1		Application Number	10/729,349-Conf. #8267		
IN	INFORMATION DISCLOSURE		Filing Date	December 5, 2003		
S	STATEMENT BY APPLICANT		First Named Inventor	John L. Klocke		
				Art Unit	1745	
	(Use as many sheets as necessary)		Examiner Name	Harry D. Wilkins III		
Sheet	10	of	11	Attorney Docket Number	291958237US	

HW	BR	GB-2 279 372A	06-23-1994	KIMBERLY-CLARK CORP.	
	BS	JP-1048442		TEXAS INSTRU JAPAN	1
	BT	JP-11080993-A	03-26-1999	EBARA CORP	1
	BU	JP-7197299-A	08-01-1995	CASIO COMPUTER CO. LTD.	1
	BV	JP-4311591	11-04-1992	SUMITOMO METAL IND. LTD.	1
	BW	JP-10-083960	03-31-1998	TAKASHI	1
	ВХ	JP-5211224	08-20-1993	TEXAN INSTR JAPAN	1
	BY	JP-6073598-A	03-15-1994	SUGANUMA KEIICHIRO	1
	BZ	JP-4144150	05-18-1992	OKI ELECTRIC IND CO LTD	17
	BA1	JP-5195183-A	08-03-1993	MITSUBISHI ELECTRIC CORP	1
		JP-7113159-A		CANON INC.	1
		JP-6017291-A		NEC CORP	1
	BD1	JP-5146984		MURATA MACH LTD.	1
		JP-11036096-A	1	NEC CORP	1
	BF1	JP-6224202-A		OKI ELECTRIC IND CO. LTD.	17
\Box		WO-02/099165		SEMITOOL, INC.	1
		WO-01/46910		THE REGENTS OF UNIV OF CA	
		WO-00/02675		SEMITOOL, INC.	
	BJ1	WO-01/91163	11-29-2001	SEMITOOL, INC.	
	BK1	WO-02/02808	01-20-2000	SEMITOOL, INC.	
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	BM1	WO-90/00476		TUCKERMAN	
		WO-99/25904		REID ET AL.	
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<u> </u>		WO-02/17203		SABRE, INC.	
Щ		WO-99/45745		ARMSTRONG ET AL.	
		WO-99/40615		RITZDORF ET AL.	
		WO-95/06326		SEMITOOL, INC.	$oldsymbol{oldsymbol{oldsymbol{\sqcup}}}$
		WO-99/16936		SEMITOOL, INC.	\sqcup
		WO-99/25905		PATTON ET AL.	$oldsymbol{\sqcup}$
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 		WO-00/32835		DORDI ET AL.	1-1
$\vdash \vdash$		WO-00/03072		WOODRUFF ET AL.	+
 		WO-00/61498		WILSON ET AL.	+
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$\vdash \vdash \vdash$		WO-03/18874		SEMITOOL, INC.	┼┤
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⊦₩−		WO-02/045476		WONG ET AL. SEMITOOL, INC.	╀┤
777/7		WO-99/41434		ACM RESEARCH, INC.	┼┤
HW	Jonz	1440-22141434	100-12-1999	INCIVI RESEARCH, INC.	لل

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Signature		Considered	
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Sub	Substitute for form 1449A/B/PTO		Complete if Known		
Out	Substitute for form 144076 of 16		Application Number	10/729,349-Conf. #8267	
IN	INFORMATION DISCLOSURE		Filing Date	December 5, 2003	
S	STATEMENT BY APPLICANT		First Named Inventor	John L. Klocke	
	OTATEMENT STATE			Art Unit	1745
	(Use as many sheets as necessary)		Examiner Name	Harry D. Wilkins III	
Sheet	11	of	11	Attorney Docket Number	291958237US

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•		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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	CC	DUBIN, "Copper Plating Techniques for ULSI Metallization," Advanced MicroDevices	
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	СН	LEE, TIEN-YU TOM et al., "Application of a CFD Tool in Designing a Fountain Plating Cell for Uniform Bump Plating of Semiconductor Wafers," IEEE Transactions On Components, Packaging and Manufacturing Technology - Part B, February 1996, pp 131-137, Vol 19, No. 1, IEEE	
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	CJ	OSERO, N.M., "An Overview of Pulse Plating," Plating and Surface Finishing, March 1986	
	CK	PASSAL, F., "Copper Plating During the Last Fifty Years," Plating, pgs 628-638, June 1959	
	CL	PATENT ABSTRACT OF JAPAN, "Organic Compound and its Application," Publication No. 08-003153, Publication Date: January 9, 1996	
	СМ	PATENT ABSTRACT OF JAPAN, "Partial Plating Device," Publication No. 01234590, Publication Date: Sept 19, 1989	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

Examiner Signature	/Harry Wilkins/	Date Considered	10/27/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 1

Complete If Known			
Application Number	10/729,349-Conf. #8267		
Filing Date	December 5, 2003		
First Named Inventor	John L. Klocke		
Art Unit	1745		
Examiner Name	Not Yet Assigned		
Attorney Docket Number	291958237US		

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ -Number Hand Code ⁴ (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
HW		JP-03-103840	11-04-1992	Uemura		
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²

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Examiner Signature	/Harry Wilkins/	Date Considered	10/27/2006
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.